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Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr  
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&lt;400&gt; 1580

Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His  
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&lt;210&gt; 1581

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&lt;400&gt; 1581

Leu Gly Leu Val Gly Ala Gln Ala  
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&lt;210&gt; 1582

&lt;211&gt; 10

&lt;212&gt; PRT

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&lt;223&gt; Artificial Peptide

&lt;400&gt; 1582

Leu Gly Leu Val Gly Ala Gln Ala Pro Ala  
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&lt;210&gt; 1583

&lt;211&gt; 10

&lt;212&gt; PRT

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&lt;223&gt; Artificial Peptide

&lt;400&gt; 1583

Leu Gly Ser Val Val Gly Asn Trp Gln Tyr  
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&lt;210&gt; 1584

&lt;211&gt; 11

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Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe  
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Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr  
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Arg Ala Leu Val Glu Thr Ser Tyr  
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Arg Ala Leu Val Glu Thr Ser Tyr Val Lys  
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Arg Ala Arg Glu Pro Val Thr Lys  
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Arg Ala Arg Glu Pro Val Thr Lys Ala  
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Pro Leu His Glu Arg Ala Leu Arg  
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<210> 1747  
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Ser Met Leu Glu Val Phe Glu Gly Arg  
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<400> 1749

Ser Asn Gln Glu Glu Glu Gly Pro Arg  
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Ser Ser Phe Ser Thr Thr Ile Asn Tyr  
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Ser Ser Asn Gln Glu Glu Glu Gly Pro Arg  
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Ser Thr Thr Ile Asn Tyr Thr Leu Trp Arg  
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<400> 1753

Ser Val Phe Ala His Pro Arg Lys

1 5

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<400> 1754

Thr Ile Asn Tyr Thr Leu Trp Arg

1 5

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<400> 1755

Thr Leu Lys Ile Gly Gly Glu Pro His

1 5

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Thr Ser Tyr Val Lys Val Leu His

1 5

<210> 1757

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1 5

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Val	Val	Glu	Val	Val	Pro	Ile	Ser	His	Leu	Tyr
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&lt;210&gt; 1763

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1763

Val	Val	Pro	Ile	Ser	His	Leu	Tyr
1			5				

&lt;210&gt; 1764

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1764

Trp	Gly	Pro	Arg	Ala	Leu	Ile	Glu	Thr	Ser	Tyr
1				5					10	

&lt;210&gt; 1765

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1765

Tyr	Ile	Leu	Val	Thr	Cys	Leu	Gly	Leu	Ser	Tyr
1				5					10	

&lt;210&gt; 1766

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1766

Tyr	Val	Lys	Val	Leu	His	His	Thr	Leu	Lys
1				5					10

&lt;210&gt; 1767

&lt;211&gt; 10

&lt;212&gt; PRT

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<210> 1770
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<210> 1772  
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<210> 1773  
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<400> 1774  
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 1 5

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 1 5 10

<210> 1776  
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<400> 1776

Glu Phe Gln Ala Ala Leu Ser Arg  
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<210> 1777  
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<400> 1777  
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<400> 1778  
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<400> 1779  
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<210> 1780  
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<400> 1780  
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<400> 1781

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Glu Leu Val His Phe Leu Leu Leu Lys Tyr  
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<210> 1784

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<400> 1784

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<210> 1785

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<400> 1785

Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys  
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<210> 1786

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<210> 1787  
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<400> 1787  
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<210> 1788  
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<400> 1788  
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<210> 1789  
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<400> 1789  
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<400> 1790  
 Phe Phe Pro Val Ile Phe Ser Lys

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&lt;210&gt; 1791

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1791

Phe Leu Leu Leu Lys Tyr Arg Ala Arg

1

5

&lt;210&gt; 1792

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1792

Phe Val Gln Glu Asn Tyr Leu Glu Tyr

1

5

&lt;210&gt; 1793

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1793

Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg

1

5

10

&lt;210&gt; 1794

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1794

Gly Ala Ser Ser Leu Pro Thr Thr Met Asn Tyr

1

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10

&lt;210&gt; 1795

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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<400> 1795

Gly Asp Cys Ala Pro Glu Glu Lys  
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<210> 1796

<211> 8

<212> PRT

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<400> 1796

Gly Asp Asn Gln Ile Met Pro Lys  
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<210> 1797

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<400> 1797

Gly Asp Pro Lys Lys Leu Leu Thr Gln His  
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<210> 1798

<211> 11

<212> PRT

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<400> 1798

Gly Gly Pro His Ile Ser Tyr Pro Pro Leu His  
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<210> 1799

<211> 11

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<400> 1799

Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys  
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<210> 1802  
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<210> 1803  
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<400> 1804  
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<210> 1806  
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<400> 1806  
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<210> 1807  
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<400> 1807  
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<210> 1808  
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<210> 1809  
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 Ile Ile Val Leu Ala Ile Ile Ala Arg  
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<210> 1810  
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<400> 1810  
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<210> 1811  
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<220>  
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<400> 1811  
 Ile Val Leu Ala Ile Ile Ala Arg  
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<210> 1812  
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<400> 1812  
 Lys Ile Ser Gly Gly Pro His Ile Ser Tyr  
 1 5 10

<210> 1813  
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<400> 1813  
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<210> 1814  
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Leu Gly Asp Asn Gln Ile Met Pro Lys

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<210> 1815

<211> 11

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<400> 1815

Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His

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<210> 1816

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<400> 1816

Leu Gly Ser Val Val Gly Asn Trp Gln Tyr

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<210> 1817

<211> 10

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<400> 1817

Leu Ile Ile Val Leu Ala Ile Ile Ala Arg

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<210> 1818

<211> 10

<212> PRT

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<400> 1818

Leu Leu Gly Asp Asn Gln Ile Met Pro Lys

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<210> 1819  
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Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg  
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<400> 1820  
Leu Leu Leu Lys Tyr Arg Ala Arg  
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<210> 1821  
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Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr  
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<210> 1822  
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<210> 1823  
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<400> 1823

Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr  
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<210> 1824  
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<210> 1825  
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<400> 1825  
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<210> 1826  
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<400> 1827  
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<210> 1828  
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&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1828

Leu Val Glu Thr Ser Tyr Val Lys Val Leu His  
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&lt;210&gt; 1829

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1829

Leu Val His Phe Leu Leu Lys  
 1 5

&lt;210&gt; 1830

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1830

Leu Val His Phe Leu Leu Lys Tyr  
 1 5

&lt;210&gt; 1831

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1831

Leu Val His Phe Leu Leu Lys Tyr Arg  
 1 5 10

&lt;210&gt; 1832

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1832

Met Leu Gly Ser Val Val Gly Asn Trp Gln Tyr  
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&lt;210&gt; 1833

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<210> 1834  
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<400> 1834  
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<210> 1836  
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<400> 1836  
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<210> 1837  
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<400> 1837  
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&lt;210&gt; 1838

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1838

Pro	Leu	Glu	Gln	Arg	Ser	Gln	His	Cys	Lys
1				5					10

&lt;210&gt; 1839

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1839

Pro	Leu	His	Glu	Trp	Val	Leu	Arg
1				5			

&lt;210&gt; 1840

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1840

Gln	Val	Pro	Gly	Ser	Asp	Pro	Ala	Cys	Tyr
1				5					10

&lt;210&gt; 1841

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1841

Arg	Ala	Leu	Val	Glu	Thr	Ser	Tyr
1				5			

&lt;210&gt; 1842

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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Arg Ala Leu Val Glu Thr Ser Tyr Val Lys  
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<210> 1843

<211> 8

<212> PRT

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<400> 1843

Arg Ala Arg Glu Pro Val Thr Lys  
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<210> 1844

<211> 8

<212> PRT

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<220>

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<400> 1844

Ser Gly Gly Pro His Ile Ser Tyr  
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<210> 1845

<211> 8

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<220>

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<400> 1845

Ser Ile Leu Gly Asp Pro Lys Lys  
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<210> 1846

<211> 8

<212> PRT

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<220>

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<400> 1846

Ser Leu Pro Thr Thr Met Asn Tyr  
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<210> 1847

<211> 9

<212> PRT  
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<220>  
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<400> 1847  
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<210> 1848  
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<400> 1848  
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<210> 1849  
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<220>  
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<400> 1849  
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<210> 1850  
 <211> 11  
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<220>  
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<400> 1850  
 Thr Met Asn Tyr Pro Leu Trp Ser Gln Ser Tyr  
 1 5 10

<210> 1851  
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<220>  
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<400> 1851  
 Thr Ser Tyr Val Lys Val Leu His  
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<400> 1852  
Thr Ser Tyr Val Lys Val Leu His His  
1 5

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<400> 1853  
Val Ala Glu Leu Val His Phe Leu Leu Leu Lys  
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<210> 1854  
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<400> 1854  
Val Asp Pro Ile Gly His Leu Tyr  
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<400> 1855  
Val Leu Glu Val Phe Glu Gly Arg  
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<400> 1856  
 Trp Gly Pro Arg Ala Leu Val Glu Thr Ser Tyr  
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<400> 1857  
 Tyr Phe Phe Pro Val Ile Phe Ser Lys  
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<400> 1858  
 Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr  
 1 5 10

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<220>  
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<400> 1859  
 Tyr Val Lys Val Leu His His Met Val Lys  
 1 5 10

<210> 1860  
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<400> 1861

Glu Phe Leu Trp Gly Pro Arg Ala Leu  
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<210> 1862

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Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile  
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<400> 1863

Glu Tyr Leu Gln Leu Val Phe Gly Ile  
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<400> 1864

Ile Phe Ser Lys Ala Ser Glu Tyr Leu  
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<400> 1865

Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu  
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Ile Trp Glu Glu Leu Ser Met Leu  
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<400> 1867  
Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe  
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<400> 1868  
Lys Met Val Glu Leu Val His Phe  
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<400> 1869  
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<400> 1870

Lys Met Val Glu Leu Val His Phe Leu Leu  
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<400> 1871

Lys Met Val Glu Leu Val His Phe Leu Leu Leu  
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<400> 1872

Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu  
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<210> 1873

<211> 8

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<400> 1873

Leu Trp Gly Pro Arg Ala Leu Ile  
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<210> 1874

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<220>

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<400> 1874

Leu Tyr Ile Leu Val Thr Cys Leu  
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<400> 1875

Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu  
1 5 10

<210> 1876

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<212> PRT

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<400> 1876

Met Phe Pro Asp Leu Glu Ser Glu Phe  
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<210> 1877

<211> 10

<212> PRT

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<220>

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<400> 1877

Arg Met Phe Pro Asp Leu Glu Ser Glu Phe  
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<210> 1878

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1878

Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu  
1 5 10

<210> 1879

<211> 11

<212> PRT

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<220>

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<400> 1879

Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp  
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<210> 1880  
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 Ser Tyr Pro Pro Leu His Glu Arg Ala Leu  
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<400> 1881  
 Ser Tyr Val Lys Val Leu His His Thr Leu  
 1 5 10

<210> 1882  
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<400> 1882  
 Val Phe Ala His Pro Arg Lys Leu  
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<210> 1883  
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<400> 1883  
 Val Phe Ala His Pro Arg Lys Leu Leu  
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<210> 1884  
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<220>  
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<400> 1884

Val Phe Glu Gly Arg Glu Asp Ser Val Phe  
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<210> 1885  
 <211> 8  
 <212> PRT  
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<220>  
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<400> 1885  
 Val Met Pro Lys Thr Gly Leu Leu  
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<400> 1886  
 Val Met Pro Lys Thr Gly Leu Leu Ile  
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<400> 1887  
 Val Met Pro Lys Thr Gly Leu Leu Ile Ile  
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<210> 1888  
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<220>  
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<400> 1888  
 Cys Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu  
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<210> 1889  
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<220>

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<400> 1889

Glu Phe Leu Trp Gly Pro Arg Ala Leu  
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<220>

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<400> 1890

Glu Met Leu Gly Ser Val Val Gly Asn Trp  
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<210> 1891

<211> 8

<212> PRT

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<400> 1891

His Phe Val Gln Glu Asn Tyr Leu  
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<210> 1892

<211> 11

<212> PRT

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<400> 1892

His Met Val Lys Ile Ser Gly Gly Pro His Ile  
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<210> 1893

<211> 8

<212> PRT

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<400> 1893

Ile Phe Ala Thr Cys Leu Gly Leu  
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<210> 1894



<211> 9  
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<400> 1894  
 Ile Phe Ser Lys Ala Ser Ser Ser Leu  
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<210> 1895  
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<400> 1895  
 Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu  
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<210> 1896  
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<400> 1896  
 Ile Met Pro Lys Ala Gly Leu Leu  
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<210> 1897  
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<400> 1897  
 Ile Met Pro Lys Ala Gly Leu Leu Ile  
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<210> 1898  
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<400> 1898  
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<210> 1900  
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<400> 1903

Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu  
1 5 10

<210> 1904

<211> 9

<212> PRT

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<400> 1904

Asn Trp Gln Tyr Phe Phe Pro Val Ile  
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<210> 1905

<211> 10

<212> PRT

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<400> 1905

Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe  
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<210> 1906

<211> 8

<212> PRT

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<400> 1906

Gln Tyr Phe Phe Pro Val Ile Phe  
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<210> 1907

<211> 11

<212> PRT

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<223> Artificial Peptide

<400> 1907

Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile  
1 5 10

<210> 1908

<211> 8

<212> PRT  
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<220>  
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<400> 1908  
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<400> 1911  
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<400> 1912  
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<400> 1913  
 Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln  
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<210> 1914  
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<400> 1914  
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val  
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<210> 1915  
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<400> 1915  
 Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly Leu  
 1 5 10 15

<210> 1916  
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<400> 1916  
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu  
 1 5 10 15

<210> 1917  
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<400> 1917

Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr Val  
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<210> 1918

<211> 15

<212> PRT

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<400> 1918

Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu Gly  
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<210> 1919

<211> 15

<212> PRT

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<400> 1919

Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala  
1 5 10 15

<210> 1920

<211> 15

<212> PRT

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<400> 1920

Glu Pro His Ile Ser Tyr Pro Pro Leu His Glu Arg Ala Leu Arg  
1 5 10 15

<210> 1921

<211> 15

<212> PRT

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<400> 1921

Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu  
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<210> 1922

<211> 15

<212> PRT

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<400> 1922

Glu Val Thr Leu Gly Glu Val Pro Ala Ala Asp Ser Pro Ser Pro  
1 5 10 15

<210> 1923

<211> 15

<212> PRT

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<400> 1923

Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu  
1 5 10 15

<210> 1924

<211> 15

<212> PRT

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<400> 1924

Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu Val  
1 5 10 15

<210> 1925

<211> 15

<212> PRT

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<400> 1925

Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu  
1 5 10 15

<210> 1926

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1926

Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile  
1 5 10 15

<210> 1927  
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<220>  
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<400> 1927  
 Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly Asp  
           1                  5                  10                  15

<210> 1928  
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 <212> PRT  
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<220>  
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<400> 1928  
 His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr Lys  
           1                  5                  10                  15

<210> 1929  
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<220>  
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<400> 1929  
 His Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly  
           1                  5                  10                  15

<210> 1930  
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<220>  
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<400> 1930  
 Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu  
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<210> 1931  
 <211> 15  
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<220>  
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&lt;400&gt; 1931

Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys	Ala	Pro	Glu	Glu	Lys	Ile	Trp
1				5					10					15

&lt;210&gt; 1932

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1932

Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys	Ala	Pro
1				5					10					15

&lt;210&gt; 1933

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1933

Ile	Ser	His	Leu	Tyr	Ile	Leu	Val	Thr	Cys	Leu	Gly	Leu	Ser	Tyr
1				5					10					15

&lt;210&gt; 1934

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1934

Lys	Ala	Glu	Met	Leu	Glu	Ser	Val	Leu	Arg	Asn	Cys	Gln	Asp	Phe
1				5					10					15

&lt;210&gt; 1935

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1935

Lys	Thr	Gly	Leu	Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu
1				5					10					15

&lt;210&gt; 1936

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1936

Leu	Gly	Glu	Val	Pro	Ala	Ala	Asp	Ser	Pro	Ser	Pro	Pro	His	Ser
1				5					10					15

&lt;210&gt; 1937

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1937

Leu	Gly	Leu	Val	Gly	Ala	Gln	Ala	Pro	Ala	Thr	Glu	Glu	Gln	Gln
1				5					10					15

&lt;210&gt; 1938

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1938

Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys	Ala
1				5					10					15

&lt;210&gt; 1939

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1939

Leu	Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys
1				5					10					15

&lt;210&gt; 1940

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1940

Leu	Leu	Lys	Tyr	Arg	Ala	Arg	Glu	Pro	Val	Thr	Lys	Ala	Glu	Met
1				5					10					15

<210> 1941  
 <211> 15  
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<220>  
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<400> 1941  
 Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile  
 1 5 10 15

<210> 1942  
 <211> 15  
 <212> PRT  
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<220>  
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<400> 1942  
 Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala Asp Ser Pro  
 1 5 10 15

<210> 1943  
 <211> 15  
 <212> PRT  
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<220>  
 <223> Artificial Peptide

<400> 1943  
 Met Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg  
 1 5 10 15

<210> 1944  
 <211> 15  
 <212> PRT  
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<220>  
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<400> 1944  
 Asn Gln Val Met Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Ala  
 1 5 10 15

<210> 1945  
 <211> 15  
 <212> PRT  
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<220>  
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<400> 1945

Pro Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu  
 1 5 10 15

<210> 1946

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1946

Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile  
 1 5 10 15

<210> 1947

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1947

Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His Phe Leu  
 1 5 10 15

<210> 1948

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1948

Gln Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu  
 1 5 10 15

<210> 1949

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1949

Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro  
 1 5 10 15

<210> 1950

<211> 15

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1950

Gln	Leu	Val	Phe	Gly	Ile	Glu	Val	Val	Glu	Val	Val	Pro	Ile	Ser
1				5					10					15

&lt;210&gt; 1951

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1951

Arg	Ala	Leu	Ile	Glu	Thr	Ser	Tyr	Val	Lys	Val	Leu	His	His	Thr
1				5					10					15

&lt;210&gt; 1952

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1952

Arg	Glu	Pro	Val	Thr	Lys	Ala	Glu	Met	Leu	Glu	Ser	Val	Leu	Arg
1				5					10					15

&lt;210&gt; 1953

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1953

Arg	Lys	Leu	Leu	Met	Gln	Asp	Leu	Val	Gln	Glu	Asn	Tyr	Leu	Glu
1				5					10					15

&lt;210&gt; 1954

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1954

Ser	His	Leu	Tyr	Ile	Leu	Val	Thr	Cys	Leu	Gly	Leu	Ser	Tyr	Asp
1				5					10					15

&lt;210&gt; 1955

<211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1955  
 Ser Ser Thr Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala  
 1 5 10 15

<210> 1956  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1956  
 Thr Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly  
 1 5 10 15

<210> 1957  
 <211> 15  
 <212> PRT  
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<220>  
 <223> Artificial Peptide

<400> 1957  
 Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu  
 1 5 10 15

<210> 1958  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1958  
 Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu Val Thr Cys  
 1 5 10 15

<210> 1959  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1959  
 Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu

1	5	10	15
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<210> 1960  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1960  
 Val Val Pro Ile Ser His Leu Tyr Ile Leu Val Thr Cys Leu Gly  
 1 5 10 15

<210> 1961  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1961  
 Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu Gly Arg Glu Asp  
 1 5 10 15

<210> 1962  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1962  
 Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr  
 1 5 10 15

<210> 1963  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1963  
 Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu  
 1 5 10 15

<210> 1964  
 <211> 14  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1964

Tyr Pro Pro Leu His Glu Arg Ala Leu Arg Glu Gly Glu Glu  
1 5 10

<210> 1965

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1965

Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu  
1 5 10 15

<210> 1966

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1966

Tyr Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro  
1 5 10 15

<210> 1967

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1967

Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu  
1 5 10 15

<210> 1968

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1968

Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly  
1 5 10 15

<210> 1969

<211> 15



<212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1969  
 Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln  
 1 5 10 15

<210> 1970  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1970  
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile  
 1 5 10 15

<210> 1971  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1971  
 Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly Leu  
 1 5 10 15

<210> 1972  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1972  
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu  
 1 5 10 15

<210> 1973  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1973  
 Glu Phe Leu Trp Gly Pro Arg Ala Leu Val Glu Thr Ser Tyr Val  
 1 5 10 15

<210> 1974  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1974  
 Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu Gly  
 1 5 10 15

<210> 1975  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1975  
 Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala  
 1 5 10 15

<210> 1976  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1976  
 Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu  
 1 5 10 15

<210> 1977  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1977  
 Glu Val Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro  
 1 5 10 15

<210> 1978  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1978

Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu  
1 5 10 15

<210> 1979

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1979

Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val  
1 5 10 15

<210> 1980

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1980

Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu  
1 5 10 15

<210> 1981

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1981

Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp  
1 5 10 15

<210> 1982

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1982

Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile  
1 5 10 15

<210> 1983

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1983

Gly	Leu	Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Arg	Glu	Gly	Asp
1				5					10					15

<210> 1984

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1984

Gly	Pro	His	Ile	Ser	Tyr	Pro	Pro	Leu	His	Glu	Trp	Val	Leu	Arg
1				5					10					15

<210> 1985

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1985

His	Phe	Leu	Leu	Leu	Lys	Tyr	Arg	Ala	Arg	Glu	Pro	Val	Thr	Lys
1				5					10					15

<210> 1986

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1986

His	Leu	Tyr	Ile	Phe	Ala	Thr	Cys	Leu	Gly	Leu	Ser	Tyr	Asp	Gly
1				5					10					15

<210> 1987

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1987

Ile	Glu	Leu	Met	Glu	Val	Asp	Pro	Ile	Gly	His	Leu	Tyr	Ile	Phe
1				5					10					15

<210> 1988  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1988  
 Ile Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr  
 1 5 10 15

<210> 1989  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1989  
 Lys Ala Glu Met Leu Gly Ser Val Val Gly Asn Trp Gln Tyr Phe  
 1 5 10 15

<210> 1990  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1990  
 Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu  
 1 5 10 15

<210> 1991  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 1991  
 Lys Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu  
 1 5 10 15

<210> 1992  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

&lt;400&gt; 1992

Leu	Gly	Glu	Val	Pro	Ala	Ala	Glu	Ser	Pro	Asp	Pro	Pro	Gln	Ser
1				5					10				15	

&lt;210&gt; 1993

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1993

Leu	Gly	Leu	Val	Gly	Ala	Gln	Ala	Pro	Ala	Thr	Glu	Glu	Gln	Glu
1				5					10				15	

&lt;210&gt; 1994

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1994

Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Arg	Glu	Gly	Asp	Cys	Ala
1				5					10				15	

&lt;210&gt; 1995

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1995

Leu	Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Arg	Glu	Gly	Asp	Cys
1				5					10				15	

&lt;210&gt; 1996

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 1996

Leu	Leu	Lys	Tyr	Arg	Ala	Arg	Glu	Pro	Val	Thr	Lys	Ala	Glu	Met
1				5					10				15	

&lt;210&gt; 1997

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1997

Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile  
1 5 10 15

<210> 1998

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1998

Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro  
1 5 10 15

<210> 1999

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 1999

Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala  
1 5 10 15

<210> 2000

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2000

Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser  
1 5 10 15

<210> 2001

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2001

Pro Ser Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu  
1 5 10 15

<210> 2002  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2002  
 Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe  
 1 5 10 15

<210> 2003  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2003  
 Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His Phe Leu  
 1 5 10 15

<210> 2004  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2004  
 Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro  
 1 5 10 15

<210> 2005  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2005  
 Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly  
 1 5 10 15

<210> 2006  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2006



Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu  
 1 5 10 15

<210> 2007

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2007

Arg Ala Leu Val Glu Thr Ser Tyr Val Lys Val Leu His His Met  
 1 5 10 15

<210> 2008

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2008

Arg Glu Pro Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly  
 1 5 10 15

<210> 2009

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2009

Ser Ser Thr Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala  
 1 5 10 15

<210> 2010

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2010

Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg  
 1 5 10 15

<210> 2011

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2011

Val Asp Pro Ile Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly  
1 5 10 15

<210> 2012

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2012

Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu  
1 5 10 15

<210> 2013

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2013

Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala  
1 5 10 15

<210> 2014

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2014

Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu Gly Arg Glu Asp  
1 5 10 15

<210> 2015

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2015

Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Val Glu Thr Ser Tyr  
1 5 10 15

<210> 2016

<211> 14  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2016  
 Tyr Pro Pro Leu His Glu Trp Val Leu Arg Glu Gly Glu Glu  
 1 5 10

<210> 2017  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2017  
 Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu  
 1 5 10 15

<210> 2018  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2018  
 Tyr Val Lys Val Leu His His Met Val Lys Ile Ser Gly Gly Pro  
 1 5 10 15

<210> 2019  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2019  
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val  
 1 5 10 15

<210> 2020  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2020  
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu

1	5	10	15
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<210> 2021  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Artificial Peptide  
  
 <400> 2021  
 Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys  
 1 5 10 15

<210> 2022  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Artificial Peptide  
  
 <400> 2022  
 Gly Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala  
 1 5 10 15

<210> 2023  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Artificial Peptide  
  
 <400> 2023  
 Ile Ile Ala Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp  
 1 5 10 15

<210> 2024  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Artificial Peptide  
  
 <400> 2024  
 Leu Ala Ile Ile Ala Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys  
 1 5 10 15

<210> 2025  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>

<223> Artificial Peptide

<400> 2025

Met Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val  
1 5 10 15

<210> 2026

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2026

Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser  
1 5 10 15

<210> 2027

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2027

Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu  
1 5 10 15

<210> 2028

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2028

Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly  
1 5 10 15

<210> 2029

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2029

Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile  
1 5 10 15

<210> 2030

<211> 15

<212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2030  
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu  
 1 5 10 15

<210> 2031  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2031  
 Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys  
 1 5 10 15

<210> 2032  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2032  
 Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile Phe  
 1 5 10 15

<210> 2033  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<400> 2033  
 Leu Ala Ile Ile Ala Arg Glu Gly Asp Cys Ala Pro Glu Glu Lys  
 1 5 10 15

<210> 2034  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<400> 2034  
 Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly  
 1 5 10 15

<210> 2035  
 <211> 15  
 <212> PRT  
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<220>  
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<400> 2035  
 Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val  
 1 5 10 15

<210> 2036  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<400> 2036  
 Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly  
 1 5 10 15

<210> 2037  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2037  
 Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His  
 1 5 10 15

<210> 2038  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

<400> 2038  
 Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro  
 1 5 10

<210> 2039  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Artificial Peptide

&lt;400&gt; 2039

Thr Leu Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu  
 1 5 10 15

&lt;210&gt; 2040

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2040

Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro His  
 1 5 10 15

&lt;210&gt; 2041

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2041

Glu Asp Ser Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His  
 1 5 10 15

&lt;210&gt; 2042

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2042

Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His  
 1 5 10 15

&lt;210&gt; 2043

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2043

Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro  
 1 5 10

&lt;210&gt; 2044

&lt;211&gt; 9

&lt;212&gt; PRT



<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2044

Leu Val Gly Ala Gln Ala Pro Ala Thr  
1 5

<210> 2045

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2045

Leu Ser Tyr Asp Gly Leu Leu Gly Asp  
1 5

<210> 2046

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2046

Leu Gly Asp Asn Gln Val Met Pro Lys  
1 5

<210> 2047

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2047

Ile Trp Glu Glu Leu Ser Met Leu Glu  
1 5

<210> 2048

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<400> 2048

Trp Gly Pro Arg Ala Leu Ile Glu Thr  
1 5

<210> 2049  
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<400> 2074  
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 Phe Gly Ile Glu Val Val Glu Val Val



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&lt;211&gt; 9

&lt;212&gt; PRT

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&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2082

Ile Glu Thr Ser Tyr Val Lys Val Leu

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&lt;210&gt; 2083

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Artificial Peptide

&lt;400&gt; 2083

Val Thr Lys Ala Glu Met Leu Glu Ser

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&lt;210&gt; 2084

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Artificial Peptide

&lt;400&gt; 2084

Leu Met Gln Asp Leu Val Gln Glu Asn

1

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&lt;210&gt; 2085

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2085

Tyr Ile Leu Val Thr Cys Leu Gly Leu

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&lt;210&gt; 2086

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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&lt;400&gt; 2086

Leu Val Glu Val Thr Leu Gly Glu Val  
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&lt;210&gt; 2087

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2087

Leu Ile Ile Val Leu Ala Ile Ile Ala  
1 5

&lt;210&gt; 2088

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2088

Val His Phe Leu Leu Leu Lys Tyr Arg  
1 5

&lt;210&gt; 2089

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2089

Val Pro Ile Ser His Leu Tyr Ile Leu  
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&lt;210&gt; 2090

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2090

Ile Glu Val Val Glu Val Val Pro Ile  
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&lt;210&gt; 2091

&lt;211&gt; 9

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Phe Gln Ala Ala Leu Ser Arg Lys Val  
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<210> 2109

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&lt;210&gt; 2143

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2143

Ile Glu Leu Met Glu Val Asp Pro Ile

1

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&lt;210&gt; 2144

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2144

Trp Gln Tyr Phe Phe Pro Val Ile Phe

1

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&lt;210&gt; 2145

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2145

Leu Ser Val Leu Glu Val Phe Glu Gly

1

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&lt;210&gt; 2146

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2146

Leu Trp Gly Pro Arg Ala Leu Val Glu

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&lt;211&gt; 9

&lt;212&gt; PRT

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Val Leu His His Met Val Lys Ile Ser  
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Leu Ser Tyr Asp Gly Leu Leu Gly Asp  
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Ile Trp Glu Glu Leu Ser Met Leu Glu  
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 Leu Val Gln Glu Asn Tyr Leu Glu Tyr  
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Phe Gly Ile Glu Val Val Glu Val Val  
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Leu Met Gln Asp Leu Val Gln Glu Asn  
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Leu Leu Gly Asp Asn Gln Val Met Pro  
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Leu Ser Tyr Asp Gly Leu Leu Gly Asp  
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Leu Glu Ser Glu Phe Gln Ala Ala Leu  
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Phe Val Gln Glu Asn Tyr Leu Glu Tyr  
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Leu Leu Gly Asp Asn Gln Ile Met Pro  
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<400> 2168

Ala Ala Ile Ser Arg Lys Met Val Glu  
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<400> 2169

Met Pro Leu Glu Gln Arg Ser Gln His  
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<210> 2170

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<400> 2170

Ile Gly Gly Glu Pro His Ile Ser Tyr  
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 Leu His His Thr Leu Lys Ile Gly Gly  
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 Ala Ala Leu Ser Arg Lys Val Ala Glu  
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 Met Pro Leu Glu Gln Arg Ser Gln His  
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Tyr Leu Glu Pro Ala Ile Ala Lys Tyr  
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Phe Leu Pro Ser Asp Tyr Phe Pro Ser Val  
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Phe Leu Pro Ser Asp Tyr Phe Pro Ser Val  
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<210> 2178  
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Phe Leu Pro Ser Asp Tyr Phe Pro Ser Val  
1 5 10

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 Ala Tyr Ile Asp Asn Tyr Asn Lys Phe  
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<210> 2189  
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<400> 2189

Ala Pro Arg Thr Leu Val Tyr Leu Leu  
 1 5

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<400> 2190  
 Phe Pro Phe Lys Tyr Ala Ala Ala Phe  
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<400> 2191  
 Phe Pro Phe Lys Tyr Ala Ala Ala Phe  
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<400> 2192  
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 1 5

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<400> 2193  
 Phe Pro Phe Lys Tyr Ala Ala Ala Phe  
 1 5

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<220>

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<400> 2194

Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr  
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<212> PRT

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<220>

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<400> 2195

Tyr Lys Thr Ile Ala Phe Asp Glu Glu Ala Arg Arg  
1 5 10

<210> 2196

<211> 13

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<220>

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<400> 2196

Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr  
1 5 10

<210> 2197

<211> 13

<212> PRT

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<220>

<223> Artificial Peptide

<400> 2197

Tyr Ala Arg Phe Ser Gln Thr Thr Leu Lys Gln Lys Thr  
1 5 10

<210> 2198

<211> 13

<212> PRT

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<220>

<223> Artificial Peptide

<400> 2198

Tyr Ala Arg Phe Ser Gln Thr Thr Leu Lys Gln Lys Thr  
1 5 10

<210> 2199

<211> 14  
 <212> PRT  
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<220>  
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<400> 2199  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2200  
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 <212> PRT  
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<220>  
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<400> 2200  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2201  
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<400> 2201  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2202  
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<400> 2202  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2203  
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 <212> PRT  
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<220>  
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<400> 2203  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu

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<210> 2204  
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<210> 2205  
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 <400> 2205  
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<210> 2206  
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 Gly Arg Thr Gln Asp Glu Asn Pro Val Val His Phe Phe Lys Asn Ile  
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 Val Thr Pro Arg Thr Pro Pro Pro  
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<210> 2207  
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 <400> 2207  
 Asn Gly Gln Ile Gly Asn Asp Pro Asn Arg Asp Ile Leu  
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<210> 2208  
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<400> 2208  
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<210> 2209  
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<400> 2209  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<400> 2210  
 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2211  
 <211> 21  
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<220>  
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<400> 2211  
 Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe  
 1 5 10 15  
 Asn Val Val Asn Ser  
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<210> 2212  
 <211> 16  
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<220>  
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<400> 2212  
 Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala Ala  
 1 5 10 15

<210> 2213  
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<220>  
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<221> VARIANT  
 <222> 1, 13  
 <223> Xaa = D-Alanine or L-Alanine

<221> VARIANT  
 <222> 3  
 <223> Xaa = cyclohexylalanine, phenylalanine, or  
 tyrosine

<400> 2213  
 Xaa Lys Xaa Val Trp Ala Asn Thr Leu Lys Ala Ala Xaa  
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<210> 2214  
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<400> 2214  
 Lys Val Ala Glu Leu Val His Phe Leu  
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<400> 2215  
 Lys Leu Ala Glu Leu Val His Phe Leu  
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<210> 2216  
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<220>  
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<400> 2216  
 Lys Met Ala Glu Leu Val His Phe Leu  
 1 5

<210> 2217  
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<220>  
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<400> 2217  
Lys Leu Ala Glu Leu Val His Phe Val  
1 5

<210> 2218  
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<220>  
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<400> 2218  
Lys Met Ala Glu Leu Val His Phe Val  
1 5

<210> 2219  
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<220>  
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<400> 2219  
Lys Ile Trp Glu Glu Leu Ser Val Leu  
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<210> 2220  
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<220>  
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<400> 2220  
Lys Leu Trp Glu Glu Leu Ser Val Val  
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<210> 2221  
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<220>  
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<400> 2221

Ala Thr Cys Leu Gly Leu Ser Tyr

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<210> 2222

<211> 11

<212> PRT

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<220>

<223> Artificial Peptide

<400> 2222

Val Val Glu Val Val Pro Ile Ser His Leu Tyr

1 5 10

<210> 2223

<211> 11

<212> PRT

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<220>

<223> Artificial Peptide

<400> 2223

Thr Met Asn Tyr Pro Leu Trp Ser Gln Ser Tyr

1 5 10

<210> 2224

<211> 11

<212> PRT

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<220>

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<400> 2224

Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr

1 5 10

<210> 2225

<211> 8

<212> PRT

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<220>

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<400> 2225

Val Thr Asp Leu Gly Leu Ser Tyr

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<210> 2226

<211> 9

<212> PRT

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<220>

<223> Artificial Peptide

<400> 2226

Ser Thr Phe Ser Thr Thr Ile Asn Tyr  
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<210> 2227

<211> 9

<212> PRT

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<400> 2227

Met Thr Asp Leu Val Gln Glu Asn Tyr  
1 5

<210> 2228

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<220>

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<400> 2228

Ser Thr Leu Pro Thr Thr Met Asn Tyr  
1 5

<210> 2229

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<400> 2229

Gly Thr Val Val Gly Asn Trp Gln Tyr  
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<210> 2230

<211> 9

<212> PRT

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<400> 2230

Glu Thr Asp Pro Ile Gly His Leu Tyr  
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<210> 2231  
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<220>  
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<400> 2231  
 Ile Thr Gly Gly Pro His Ile Ser Tyr  
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<210> 2232  
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<220>  
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<400> 2232  
 Ala Thr Ser Phe Ser Thr Thr Ile Asn Tyr  
 1 5 10

<210> 2233  
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<220>  
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<400> 2233  
 Ala Ser Asp Phe Ser Thr Thr Ile Asn Tyr  
 1 5 10

<210> 2234  
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<400> 2234  
 Leu Thr Gln Asp Leu Val Gln Glu Asn Tyr  
 1 5 10

<210> 2235  
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<220>  
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&lt;400&gt; 2235

Ala	Thr	Ser	Leu	Pro	Thr	Thr	Met	Asn	Tyr
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&lt;210&gt; 2236

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2236

Ala	Ser	Asp	Leu	Pro	Thr	Thr	Met	Asn	Tyr
1				5					10

&lt;210&gt; 2237

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2237

Leu	Thr	Asp	His	Phe	Val	Gln	Glu	Asn	Tyr
1				5					10

&lt;210&gt; 2238

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2238

Ser	Val	Phe	Ser	Thr	Thr	Ile	Asn	Lys
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&lt;210&gt; 2239

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2239

Ser	Val	Phe	Ser	Thr	Thr	Ile	Asn	Arg
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&lt;210&gt; 2240

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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<400> 2240  
Thr Val Ile Asn Tyr Thr Leu Trp Arg  
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<210> 2241  
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<220>  
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<400> 2241  
Thr Val Ile Asn Tyr Thr Leu Trp Lys  
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<210> 2242  
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<212> PRT  
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<400> 2242  
Leu Val His Phe Leu Leu Leu Lys Arg  
1 5

<210> 2243  
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<400> 2243  
Tyr Val Phe Pro Val Ile Phe Ser Lys  
1 5

<210> 2244  
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<400> 2244  
Tyr Val Phe Pro Val Ile Phe Ser Arg  
1 5

<210> 2245  
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<220>  
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<400> 2245  
 Ser Val Phe Ala His Pro Arg Arg  
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<210> 2246  
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<400> 2246  
 Ala Val Ile Glu Thr Ser Tyr Val Lys  
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<210> 2247  
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 <212> PRT  
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<220>  
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<400> 2247  
 Ala Val Ile Glu Thr Ser Tyr Val Arg  
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<210> 2248  
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<400> 2248  
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<210> 2249  
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<400> 2249

Ile Val Tyr Pro Pro Leu His Glu Lys  
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<210> 2250  
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<400> 2250  
Leu Trp Gly Pro Arg Ala Leu Ile  
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<210> 2251  
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<400> 2251  
Gln Tyr Phe Phe Pro Val Ile Phe  
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<210> 2252  
<211> 8  
<212> PRT  
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<220>  
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<400> 2252  
Ser Tyr Pro Pro Leu His Glu Trp  
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<210> 2253  
<211> 10  
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<400> 2253  
Ser Tyr Pro Pro Leu His Glu Trp Val Leu  
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<220>  
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 <400> 2254  
 Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp  
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<210> 2255  
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<220>  
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<210> 2256  
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<210> 2257  
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<210> 2258  
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<220>  
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<210> 2259

<211> 9  
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<400> 2259  
 Lys Tyr Val Glu Leu Val His Phe Phe  
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<210> 2260  
 <211> 9  
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Phe Leu Trp Gly Pro Arg Ala Leu Val  
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&lt;400&gt; 2296

Lys Val Phe Pro Tyr Ala Leu Ile Asn Lys  
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&lt;210&gt; 2297

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2297

Ala Tyr Ile Asp Asn Tyr Asn Lys Phe  
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&lt;210&gt; 2298

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2298

Lys Val Phe Pro Tyr Ala Leu Ile Asn Lys  
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&lt;210&gt; 2299

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2299

Lys Val Phe Pro Tyr Ala Leu Ile Asn Lys  
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&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2300

Ser Thr Leu Pro Glu Thr Tyr Val Val Arg Arg  
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&lt;220&gt;

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&lt;400&gt; 2315

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&lt;210&gt; 2316

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2316

Arg	Gly	Tyr	Val	Phe	Gln	Gly	Leu
1				5			

&lt;210&gt; 2317

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2317

Arg	Gly	Pro	Tyr	Arg	Ala	Phe	Val	Thr	Ile
1				5					10

&lt;210&gt; 2318

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2318

Lys	Phe	Asn	Pro	Met	Lys	Thr	Tyr	Ile
1				5				

&lt;210&gt; 2319

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2319

Ile	Pro	Gln	Ser	Leu	Asp	Ser	Tyr	Trp	Thr	Ser	Leu
1				5							10

&lt;210&gt; 2320

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<210> 2323  
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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu  
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<210> 2333

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<212> PRT

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Glu Ala Leu Ile His Gln Leu Lys Ile Asn Pro Tyr Val Leu Ser  
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<210> 2341  
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 Ala

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<210> 2346  
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<400> 2346  
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Lys Met Val Glu Leu Val His Phe Leu  
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<212> PRT

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<400> 2348

Lys Met Val Glu Leu Val His Phe Leu Leu  
1 5 10

<210> 2349

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<220>

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<400> 2349

Lys Met Val Glu Leu Val His Phe Leu Leu Leu  
1 5 10

<210> 2350

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<400> 2350

Lys Ala Ser Glu Tyr Leu Gln Leu Val  
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Tyr Leu Gln Leu Val Phe Gly Ile Glu Val  
1 5 10

<210> 2352  
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<220>  
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<400> 2352  
 Leu Val Phe Gly Ile Glu Val Val Glu Val  
 1 5 10

<210> 2353  
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<220>  
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<400> 2353  
 Lys Ile Trp Glu Glu Leu Ser Met Leu  
 1 5

<210> 2354  
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<210> 2355  
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<400> 2355  
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<210> 2356  
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<400> 2356

Thr Leu Val Glu Val Thr Leu Gly Glu Val  
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<210> 2357  
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<400> 2357  
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<210> 2358  
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<400> 2358  
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<210> 2359  
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<400> 2359  
Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val  
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<210> 2360  
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<400> 2360  
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1 5 10

<210> 2361  
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<400> 2361

His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu  
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<210> 2362

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<212> PRT

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<220>

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<400> 2362

Tyr Ile Phe Ala Thr Cys Leu Gly Leu  
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Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile  
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Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly Leu  
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Lys Thr Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu  
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Glu Pro His Ile Ser Tyr Pro Pro Leu His Glu Arg Ala Leu Arg  
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&lt;210&gt; 2390

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2390

Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln  
 1 5 10 15

&lt;210&gt; 2391

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2391

a1 Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu  
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&lt;210&gt; 2392

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2392

Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser  
 1 5 10 15

&lt;210&gt; 2393

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2393

Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe  
 1 5 10 15

&lt;210&gt; 2394

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2394

Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile  
 1 5 10 15

&lt;210&gt; 2395

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2395

Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp  
 1 5 10 15

&lt;210&gt; 2396

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2396

Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly Leu  
 1 5 10 15

&lt;210&gt; 2397

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2397

Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala  
 1 5 10 15

&lt;210&gt; 2398

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2398

Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu  
 1 5 10 15

<210> 2399  
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<220>  
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<400> 2399  
 Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly  
 1 5 10 15

<210> 2400  
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<400> 2400  
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 1 5 10 15

<210> 2401  
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 Gly Pro His Ile Ser Tyr Pro Pro Leu His Glu Trp Val Leu Arg  
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<210> 2402  
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<400> 2402  
 Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu  
 1 5 10 15

<210> 2403  
 <211> 15  
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<220>  
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<400> 2403

Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile  
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<210> 2404  
 <211> 15  
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<210> 2406  
 <211> 15  
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<210> 2407  
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 Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe  
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<210> 2408  
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&lt;223&gt; Artificial Peptide

&lt;400&gt; 2408

Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile  
 1 5 10 15

&lt;210&gt; 2409

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2409

Gly Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala  
 1 5 10 15

&lt;210&gt; 2410

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2410

Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys  
 1 5 10 15

&lt;210&gt; 2411

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2411

Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His  
 1 5 10 15

&lt;210&gt; 2412

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Peptide

&lt;400&gt; 2412

Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser  
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&lt;210&gt; 2413

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 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val  
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<210> 2414  
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 Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly  
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<210> 2416  
 <211> 15  
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<400> 2416  
 Ile Ile Ala Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp  
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<400> 2417  
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<210> 2418  
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 Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu  
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<210> 2419  
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<210> 2420  
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<220>  
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<400> 2420  
 Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro His  
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<210> 2421  
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<400> 2421  
 Thr Leu Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu  
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<210> 2422  
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Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys  
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Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His  
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<210> 2424

<211> 15

<212> PRT

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<400> 2424

Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly  
1 5 10 15

<210> 2425

<211> 15

<212> PRT

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<400> 2425

Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile Phe  
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<210> 2426

<211> 15

<212> PRT

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<400> 2426

Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile  
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<211> 15

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 Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly  
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 1 5 10 15

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<220>  
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<400> 2435  
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 1 5 10 15

<210> 2436  
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<220>  
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Glu Asp Ser Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His  
1 5 10 15

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